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Product datasheet for SC329737

TL1A (TNFSF15) (NM_001204344) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TL1A (TNFSF15) (NM_001204344) Human Untagged Clone
Tag:	Tag Free
Symbol:	TL1A
Synonyms:	TL1; TL1A; TNLG1B; VEGI; VEGI192A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC329737 representing NM_001204344. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGCAACTCACAAAGGGCCGTCTTCATTTCAGTCACCCTTTGTCTCATACAAAGCACATTTCTCCTTTT GTTACAGATGCACCTCTTAGAGCAGACGGAGATAAGCCAAGGGCACACCTGACAGTTGTGAGACAAACT CCCACACAGCACTTTAAAAATCAGTTCCCAGCTCTGCACTGGGAACATGAACTAGGCCTGGCCTTCACC AAGAACCGAATGAACTATACCAACAAATTCCTGCTGATCCCAGAGTCGGGAGACTACTTCATTTACTCC CAGGTCACATTCCGTGGGATGACCTCTGAGTGCAGTGAAATCAGACAAGCAGGCCGACCAAACAAGCCA GACTCCATCACTGTGGTCATCACCAAGGTAACAGACAGCTACCCTGAGCCAACCCAGCTCCTCATGGGG ACCAAGTCTGTATGCGAAGTAGGTAGCAACTGGTTCCAGCCCATCTACCTCGGAGCCATGTTCTCCTTG CAAGAAGGGGACAAGCTAATGGTGAACGTCAGTGACATCTCTTTGGTGGATTACACAAAAGAAGATAAA ACCTTCTTTGGAGCCTTCTTACTATAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_001204344
Insert Size:	579 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001204344.1
RefSeq Size:	6412 bp
RefSeq ORF:	579 bp
Locus ID:	9966
UniProt ID:	O95150
Cytogenetics:	9q32
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction
MW:	21.9 kDa
Gene Summary:	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein is abundantly expressed in endothelial cells, but is not expressed in either B or T cells. The expression of this protein is inducible by TNF and IL-1 alpha. This cytokine is a ligand for receptor TNFRSF25 and decoy receptor TNFRSF21/DR6. It can activate NF-kappaB and MAP kinases, and acts as an autocrine factor to induce apoptosis in endothelial cells. This cytokine is also found to inhibit endothelial cell proliferation, and thus may function as an angiogenesis inhibitor. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2011] Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (VEGI-192) has a shorter and distinct N-terminus compared to isoform VEGI-251. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.